

# **Texas Parks and Wildlife**

# **Texas Aquatic Science Curriculum**

# **Children's Books Corresponding by Chapter**

**By: Deanna Demers**

# Chapter 1: Water Is Life

## **Water Pollution (True Books: Environment)**

Donald, Rhonda Lucas 2001

ISBN-10: 0516273574

ISBN-13: 978-0516273570

Nonfiction; Lexile Measure: 940L

This book about water pollution includes large texts for beginning readers and readers with dyslexia. Includes vocabulary words and graphic pictures, and other nonfiction text features.

## **The Secret of Water**

Emoto, Masaru 2006

ISBN-10: 1582701571

ISBN-13: 978-1582701578

Nonfiction; Ages 6-10

*The Secret of Water* introduces children to our most precious natural resource: water. It explains how proper uses of water are important to the health of humans and our planet. The book discusses the characteristics of water, fun facts, and includes hands on activities.

## **A Drop of Water: A Book of Science and Wonder**

Wick, Walter 1997

ISBN-10: 0590221973

ISBN-13: 978-0590221979

Nonfiction; Lexile Measure: 870L

The photographs in this book are amazing and may drive more curiosity than the text can satisfy. Great book to engage students in the characteristics of water.

## **Chapter 2: The Ultimate Recyclable: Water**

### **Water Is Water: A Book About the Water Cycle**

Paul, Miranda Illustrated by Chin, Jason 2008

ISBN-10: 159643984X

ISBN-13: 978-1596439849

Nonfiction Poetry; Ages 6-10

This text incorporates poetry as it describes the states of matter water goes through during the different seasons of the year through engaging pictures. This book is a good introduction to the water cycle and could also be used with chapter one.

### **The Everything KIDS' Weather Book**

Snedecker, Joe 2012

ISBN-10: 1440550360

ISBN-13: 978-1440550362

Nonfiction; Ages 7-12

The book title says it all! This book covers everything about weather for kids. It was written by a meteorologist and not only includes factual information, but also contains activities such as puzzles and experiments to go along with learning.

### **Water for Texas: A Coloring Book**

Published by: Texas Water Development Board

Can be accessed at:

<http://www.twdb.texas.gov/publications/brochures/conservation/doc/ColoringBook.pdf>

Nonfiction; Grades K-3

This sixteen page activity book can also be used with chapter 6 and chapter 8. It includes fun facts about how to save water and information about aquifers and reservoirs for young children

## **Water, Water Everywhere**

Rauzon, Mark, Bix & Overbeck Bix, Cynthia 1995

ISBN-10: 0871563835

ISBN-13: 978-0871563835

Nonfiction; Lexile Measure: 940L

*Water, Water Everywhere's* main emphasis is the water cycle but it also depicts the need for water conservation, water pollution, the properties of water, and water on the earth's surface. This book is sure to engage the young reader with its poetic text structure and vivid pictures. This book can also be used with chapter one.

## **Chapter 3: What Is Your Watershed Address?**

### **Cracking Up: A Story About Erosion**

Bailey, Jacqui Illustrated by Lilly, Matthew 2006

ISBN-10: 1404819967

ISBN-13: 978-1404819962

Nonfiction; Lexile Measure 880L

This story-like nonfiction text is a juvenile reader that explains the process of erosion using cartoon pictures and a comic book template. See the end for some fun hands on activities.

### **Rivers**

Jackson, Kay Illustrated by McMullen, Anne

ISBN-10: 0736869751

ISBN-13: 978-0736869751

Nonfiction; Ages 7-9

This book includes the formation of rivers, descriptions of river, and some of the living things you might see in and around rivers.

## **Rocks and Soil**

Hoffman, Steven M.

ISBN-10: 144882706X

ISBN-13: 978-1448827060

Nonfiction; Ages 7 and up

*Rocks and Soil* highlights the process of weathering rocks to make sediment, sedimentation, and different types of soil. See the end of the book for a list of websites to compliment learning.

## **Chapter 4: Living In Water**

### **Ocean Animal Adaptations (Amazing Animal Adaptations)**

Murphy, Julie 2011

ISBN-10: 1429670290

ISBN-13: 978-1429670296

Nonfiction; Lexile Measure: 640L

Learn about the different structures and behaviors that help marine animals adapt to their environment.

### **Learn About....Texas Freshwater Fishes**

Published by Texas Parks and Wildlife Press

Editorial Direction and Text by Zappler, Georg Art Direction and Illustrations by Ivy, Elena T. 2001

Can be accessed at

[https://tpwd.texas.gov/publications/pwdpubs/media/pwd\\_bk\\_k0700\\_0717.pdf](https://tpwd.texas.gov/publications/pwdpubs/media/pwd_bk_k0700_0717.pdf)

This guide will explain what exactly a fish is, how they survive, what they eat, the parts of a fish, the different groups of fish, and specifics about different Texas freshwater fish. At the end, there are multiple activities to engage to learner.

## **Food Chain**

Robertson, M.P. 2010

ISBN-10: 1845079299

ISBN-13: 978-1845079291

Fiction; Ages 4-7

This fictional story is a great resource to find an engaging way to introduce students to food chains. With the use of silly pictures and a dramatic storyline, students will be on the edge of their seats. Can also be used with chapter five.

## **Chapter 5: From Sun to Sunfish**

### **Who Eats What: Food Chains and Food Webs**

Lauber, Patricia Illustrated by Keller, Holly 1994

ISBN-10: 0064451305

ISBN-13: 978-0064451307

Nonfiction; Lexile Measure: 620L

This book is a great introduction to food webs and food chains. It touches on the topic of interdependence of species for survival. It is a Stage 2 Let's Read and Find Out book because it's complex concepts for young children.

### **What Are Food Chains and Webs? (Science of Living Things)**

Kalman, Bobbie Illustrated by Langille, Jaqueline 1998

ISBN-10: 0865058881

ISBN-13: 978-0865058880

Nonfiction; Lexile Measure: 880L

This book discusses the interdependency of food webs and chains as well as biomes as ecological communities. It also touches base on

human threats to the environment. Includes a game to cognitively grasp concept.

### **Learning Natural Selection (Web Book)**

Bprueter26 on Story Jumper

Can be accessed at

<http://www.storyjumper.com/book/index/15592092/Learning-Natural-Selection#>

Nonfiction; Ages 9 and up

This online book explains natural selection by using birds as an example. Children can click to turn the pages. This book can be translated in many different languages using the translation feature.

## **Chapter 6: Texas Aquatic Ecosystems**

### **This Is the Sea That Feeds Us**

Baldwin, Robert F. Illustrated by Dyen, Don

ISBN-10: 188322070X

ISBN-13: 978-1883220709

Nonfiction; Lexile Measure: 1110L

In this versed book, students will learn about the wetland ecosystem, marine food webs, and how the sun drives all the energy that feeds us.

### **America's Wetlands: Guide to Plants and Animals**

Wallace, Marianne

ISBN-10: 1555914845

ISBN-13: 978-1555914844

Nonfiction; Ages 8 and up

This book is an illustrated guide to the different types of wetlands and the species of plants and animals that reside in them.

## **Ponds and Lakes (Usborne Spotter's Guide)**

**Wootton, Anthony 2006**

**ISBN-10: 0746073631**

**ISBN-13: 978-0746073636**

**Nonfiction; Ages 7 and up**

**This field guide contains well over one hundred different species found in ponds and lakes. The illustrations are updated from the original artwork done.**

## **By Pond and River**

**Buckley, Arabella 2013**

**ISBN-10: 1482036436**

**ISBN-13: 978-148203643**

**Nonfiction; Ages 6 and up**

**This guide to pond and river life will introduce readers to species such as fish, dragon flies, frogs, otters, water bugs, and water birds. It even includes some black and white illustrations.**

## **Eyewitness Pond & River**

**Parker, Steve 2011**

**ISBN-10: 0756658306**

**ISBN-13: 978-0756658304**

**Nonfiction; Age Range 8-12 years**

**Book comes with cd that includes clip art as well as a wall chart. This book provides upper elementary to middle school ages children with a close look at the many species you can find in ponds and rivers.**



## **Chapter 7: Aquifers and Springs**

### **Circles of Fun CD Rom**

**Produced by The Groundwater Foundation**

**Can be accessed and purchased at <https://goo.gl/D16D5u>**

**Nonfiction; All Ages**

**This CD comes with hands on activities for teaching kids of all ages the proper use and protection of groundwater. Focuses heavily on irrigation in relation to groundwater.**

### **Willy Otter Says: We really Otter Protect Our Water Coloring Book**

**Hay, Marion E. & Hoover, Richard E.**

**Adapted by Newman, Jerry A., Extension Youth Development Specialist and Adams, Edward B., Extension Water Quality Agent**

**Can be accessed at**

**<http://www.spokaneaquifer.org/wallyottercoloringbook.pdf>**

**Nonfiction; Ages 8-10**

**This coloring book describes aquifers and how we get our drinking water in a kid friendly way. It discusses the importance of protecting out water, facts about water, and tips on how to save water.**

## **Spring Salamanders of Central Texas**

**Caauwe, Rachel (Artist, Illustrator), LLC World Freedom Products (Author, Creator), Shepard, Grant (Author, Creator), Bendik, Nate (Photographer), Dries, Laurie (Photographer, Series Editor), Pierce, Benjamin (Series Editor)**

**ISBN-10: 1619531046**

**ISBN-13: 978-1619531048**

**Nonfiction; Ages 5 and up**

**This coloring book offers twenty eight pages full of information about the salamanders that live in the Central Texas Region aquifers and springs. The book really touches base on the necessary conservation of these animals because of what they do for our sources of drinking water. It also includes activities. Each time this book is purchased, a donation will be made to the conservation of the Edwards Aquifer or one of the species of salamanders featured in the book.**

## **Chapter 8: Streams and Rivers**

### **River Beds: Sleeping In the World's Rivers**

**Karwoski, Gail Langer Illustrated by McLennan, Connie 2008**

**ISBN-10: 1934359319**

**ISBN-13: 978-1934359310**

**Nonfiction; Lexile Measure: 1020L**

**Although this book is not about river in Texas, it does discuss animal adaptations in rivers around the world. All of the information has been verified by biologists, zoologists, aquarists, and other animal experts. If you do not find yourself falling asleep after this bedtime story, check out the For Creative Minds section for activities and additional information.**

## **Rivers and Streams (Geography Starts Here)**

Vaughan, Jenny 1998

ISBN-10: 0817251146

ISBN-13: 978-0817251147

Nonfiction; Ages 7 and up

*Rivers and Streams* provides children with basic information about these aquatic habitats, how they were made, what affects they have on the people that live near them, and effects of human modifications to the environment.

## **River and Stream**

Sayre, April Pulley 1997

ISBN-10: 0805040889

ISBN-13: 978-0805040883

Nonfiction; Ages 9 and up

This book has enticing photographs that will be sure to draw children's attention to life in aquatic biomes, specifically in rivers and streams. The book also focuses on pollution to these biomes and what happens to the communities around them.

## **Chapter 9: Lakes and Ponds**

### **Life in a Pond (Living in a Biome)**

Lindeen, Carol K. 2003

ISBN-10: 0736834028

ISBN-13: 978-0736834025

Nonfiction; Lexile Measure: 310L

Something for the younger readers, this book is a great way to introduce ponds and the different species you might find in a pond.

### **Ponds and Lakes (Usborne Spotter's Guide)**

Wootton, Anthony 2006

ISBN-10: 0746073631

ISBN-13: 978-0746073636

Nonfiction; Ages 8 and up

A guide to finding different species at lakes and ponds, Wootton's book has over 100 different kinds of critters that you would find at a lake or pond, complete with digitized pictures.

### **Would You Rather Be a Pollywog: All About Pond Life (Cat in the Hat's Learning Library)**

Worth, Bonnie Illustrated by Ruiz, Aristides 2010

ISBN-10: 0375828834

ISBN-13: 978-0375828836

Nonfiction; Lexile Measure: 650L

Come on a journey with the Cat in the Hat to learn about the different animal and plant species you will find in a pond. You will learn about newts, algae, leeches, snails and many more. The book also looks at the differences between incomplete and complete metamorphosis.

### **Lake and Pond Food Webs in Action (Searchlight Books)**

Fleisher, Paul 2013

ISBN-10: 1467715557

ISBN-13: 978-1467715553

Nonfiction; Ages 7 and up

Not only will children learn about the effects of human modification to ponds, they will learn about the importance of the species at the bottom of the food chain (web) and get to see food webs in action.

# Chapter 10: Wetlands

## About Habitats: Wetlands

Sill, Catherine Illustrated by Sill, John 2013

ISBN-10: 1561456896

ISBN-13: 978-1561456895

Nonfiction; Ages 4-8

This book is a good introduction to all the different types of wetlands that is easy to understand for young children. It includes all types of wetland habitats including salt marshes. Children will not be disappointed by the amazing illustrations.

## A Wetland Habitat

Aloian, Molly Illustrated by Kalman, Bobby 2006

ISBN-10: 0778729834

ISBN-13: 978-0778729839

Nonfiction; Lexile Measure 480L

Children can engage in easy to read text and fun illustrations while being introduced to wetland habitats.

## Cadenas Alimentarias De Los Pantanos / Wetland Food Chains

Kalman, Bobbie & Burns, Kylie 2007

ISBN-10: 0778785483

ISBN-13: 978-0778785484

Nonfiction, Spanish; Ages 5 and up

This text can be used by English language learners to be introduced to wetlands that may or may not be unfamiliar to them. Discusses the wetland food chain.

## **Wetlands Plants and Animals Coloring Book**

**Bernhard, Annika 1994**

**ISBN-10: 0486277496**

**ISBN-13: 978-0486277493**

**Nonfiction Coloring Book; Grades 1-8**

**This coloring book contains over forty hand drawn illustrations that depict life in the wetlands. With the descriptive captions, students are sure to learn while they have fun.**

## **Chapter 11: Bays and Estuaries**

### **Life in an Estuary**

**Walker, Sally M. 2003**

**ISBN-10: 0822521377**

**ISBN-13: 978-0822521372**

**Nonfiction; Ages 6 and Up**

**Reviewed by scientists themselves, this book has high ratings on the quality of research put into it. Walker does a fine job of informing the reader about the estuary ecology in a child friendly manner. The end of the book includes a “What You Can Do” section that contains resources such as information and websites. Complete with all nonfiction text structures.**

## **An Estuary Food Chain: A Who-Eats-What Adventure in North America**

**Wojahn, Rebecca Hogue & Wojahn, Donald 2009**

**ISBN-10: 0822576163**

**ISBN-13: 978-0822576167**

**Nonfiction; Grades 3-8**

**This is a book that will engage students in a game like adventure and inform them about the delicate food chains in the estuaries. The pictures are sure to please.**

## **A Journey Into an Estuary**

**Johnson, Rebecca L. Illustrated by Saroff, Phyllis V. 2004**

**ISBN-10: 1575055929**

**ISBN-13: 978-1575055923**

**Nonfiction; Grades 3 and Up**

**A book with vivid pictures that will take the reader through the estuaries where he or she can read about interconnectedness of the plant and animal life between the salt and freshwater.**

## **Bays**

**Bernay, Emma & Bern, Emma Carlson 2008**

**ISBN-10: 1404242066**

**ISBN-13: 978-1404242067**

**Nonfiction; Grades 2 and up**

**From the series The Geography Zone, students will learn about bay landforms. This nonfiction text provides beautiful pictures.**

## **Chapter 12: Oceans: The Gulf of Mexico**

### **Our Sea Turtles: A Practical Guide for the Atlantic and Gulf, from Canada to Mexico**

Witherington, Blair & Witherington, Dawn 2015

ISBN-10: 1561647365

ISBN-13: 978-1561647361

Nonfiction; Grades 4 and up

This 275 page book explains to students why these endangered animals need help. There are many lavish pictures that go along with the informational text about sea turtles.

### **The BP Oil Spill**

Benoit, Peter 2011

ISBN-10: 0531289990

ISBN-13: 978-0531289990

Nonfiction; Grades 2 and up

A True Book about the BP oil spill is a great way to introduce young students to things that are currently happening in the gulf close by and how it is affecting the ecosystem close by.

### **Gulf of Mexico**

Zollman, Pam 2006

ISBN-10: 0516250353

ISBN-13: 978-0516250359

Nonfiction; Lexile Measure: 490L

This is a good book for emergent readers to get a textual tour of the Gulf of Mexico. The cover introduces the beautiful pictures inside.



## **Oil Spill!: Disaster in the Gulf of Mexico**

Landau, Elaine 2011

ISBN-10: 076137485X

ISBN-13: 978-0761374855

Nonfiction; Lexile Measure: 780L

Landau breaks down the oil spill for students from how it happened to how kids can join in and help. The book explains a disaster, but empowers young readers to do something about it.

## **Chapter 13: Fishing For Conservation**

### **America at Work: Fishing**

Love, Ann & Drake, Jane Illustrated by Cupples, Pat 1997

ISBN-10: 1553374223

ISBN-13: 978-1553374220

Nonfiction; Grades 3-5

Although the focus is not on fishing in Texas, this book is a great introduction to the fishing industry and the concerns for the environment pertaining to our natural resources.

### **Conversation With A Salmon: Creative Reflections on a Century of Humankind's Most Ambitious Conservation Work**

Nicolas, Jay W. 2014

ISBN-10: 1500890405

ISBN-13: 978-1500890407

Fiction; Ages 8 and up

In the imaginative and creative story, the author has a conversation with a salmon about his conservation promise to the salmon species. It is such a unique way to introduce voice to students.

# Chapter 14: Water for People and the Environment

## **Clean Air and Clean Water Acts**

Gold, Susan Dudley 2011

ISBN-10: 160870484X

ISBN-13: 978-1608704842

Nonfiction; Ages 10 and up

This book is not for beginning readers but it will introduce students to legislation involving the conservation of water and air.

## **Why Should I Save Water?**

Green, Jen Illustrated by Gordon, Mike 2005

ISBN-10: 0764131575

ISBN-13: 978-0764131578

Nonfiction; Grades Pre-K – 2

This book depicts the importance of water as our most precious natural resource. Through its inquiry based approach of asking questions, children will learn the importance of saving water.

## **The Drop in my Drink: The Story of Water on Our Planet**

Hooper, Meredith & Coady, Chris 2015

ISBN-10: 1847807143

ISBN-13: 978-1847807144

Nonfiction; Grades 1-5

*The Drop in my Drink* covers water from a long time ago to now. The authors explain the water cycle, the relationship between living things and water, and water and erosion.